



SEQUENCE LISTING

<110> Altmann, Friedrich

<120> Fucosyl Transferase Gene

<130> 030560-057

<140> US 09/913,858

<141> 2001-08-20

<150> PCT/AT00/00040

<151> 2000-02-17

<150> AT A 270/99

<151> 1999-02-18

<160> 17

<170> PatentIn version 3.1

<210> 1

<211> 2198

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism:plant

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tgcggaattg gcagttgggg gcgcaattga atgatgggtc tgttgacgaa tcttcgaggg 240

tcgagaacag atggtgcccc acaagagagc ttaccogttt tggctccggg aggcaacca 300

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<213> Unknown Organism

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<220>
<223> Description of Unknown Organism:plant

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Lys Trp Ser Asn Leu Met Pro Leu Val Val Ala Leu Val Val Ile Ala
 35             40             45

Glu Ile Ala Phe Leu Gly Arg Leu Asp Met Ala Lys Asn Ala Ala Met
 50             55             60

Val Asp Ser Leu Ala Asp Phe Phe Tyr Arg Ser Arg Ala Val Val Glu
 65             70             75             80

Gly Asp Asp Leu Gly Leu Gly Leu Val Ala Ser Asp Arg Asn Ser Glu
      85             90             95

Ser Tyr Ser Cys Glu Glu Trp Leu Glu Arg Glu Asp Ala Val Thr Tyr
 100             105             110

Ser Arg Gly Phe Ser Lys Glu Pro Ile Phe Val Ser Gly Ala Asp Gln
 115             120             125

Glu Trp Lys Ser Cys Ser Val Gly Cys Lys Phe Gly Phe Ser Gly Asp
 130             135             140

Arg Lys Pro Asp Ala Ala Phe Gly Leu Pro Gln Pro Ser Gly Thr Ala
 145             150             155             160

Ser Ile Leu Arg Ser Met Glu Ser Ala Glu Tyr Tyr Ala Glu Asn Asn
      165             170             175

Ile Ala Met Ala Arg Arg Arg Gly Tyr Asn Ile Val Met Thr Thr Ser
 180             185             190

Leu Ser Ser Asp Val Pro Val Gly Tyr Phe Ser Trp Ala Glu Tyr Asp

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195					200					205					
Met	Met	Ala	Pro	Val	Gln	Pro	Lys	Thr	Glu	Ala	Ala	Leu	Ala	Ala	Ala
	210						215					220			
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225					230					235					240
Ala	Leu	Glu	Lys	Ser	Asn	Ile	Lys	Ile	Asp	Ser	Tyr	Gly	Gly	Cys	His
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Arg	Asn	Arg	Asp	Gly	Arg	Val	Asn	Lys	Val	Glu	Ala	Leu	Lys	His	Tyr
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Gly	Ala	Pro	Asn	Ile	Gln	Asp	Phe	Ala	Pro	Ser	Pro	Gly	Ser	Ile	Leu
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His	Ile	Lys	Glu	Ile	Glu	Asp	Val	Glu	Ser	Val	Ala	Lys	Thr	Met	Arg
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Tyr	Leu	Ala	Glu	Asn	Pro	Glu	Ala	Tyr	Asn	Gln	Ser	Leu	Arg	Trp	Lys
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Tyr	Glu	Gly	Pro	Ser	Asp	Ser	Phe	Lys	Ala	Leu	Val	Asp	Met	Ala	Ala
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Val	His	Ser	Ser	Cys	Arg	Leu	Cys	Ile	His	Leu	Ala	Thr	Val	Ser	Arg
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Glu	Lys	Glu	Glu	Asn	Asn	Pro	Ser	Leu	Lys	Arg	Arg	Pro	Cys	Lys	Cys
385					390					395					400
Thr	Arg	Gly	Pro	Glu	Thr	Val	Tyr	His	Ile	Tyr	Val	Arg	Glu	Arg	Gly
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Arg	Phe	Glu	Met	Glu	Ser	Ile	Tyr	Leu	Arg	Ser	Ser	Asn	Leu	Thr	Leu
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Asn	Ala	Val	Lys	Ala	Ala	Val	Val	Leu	Lys	Phe	Thr	Ser	Leu	Asn	Leu
		435					440					445			
Val	Pro	Val	Trp	Lys	Thr	Glu	Arg	Pro	Glu	Val	Ile	Arg	Gly	Gly	Ser
	450					455					460				
Ala	Leu	Lys	Leu	Tyr	Lys	Ile	Tyr	Pro	Ile	Gly	Leu	Thr	Gln	Arg	Gln
465					470					475					480
Ala	Leu	Tyr	Thr	Phe	Ser	Phe	Lys	Gly	Asp	Ala	Asp	Phe	Arg	Ser	His
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Leu	Glu	Asn	Asn	Pro	Cys	Ala	Lys	Phe	Glu	Val	Ile	Phe	Val		
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<210> 3
 <211> 105
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: GlcNAc-alpha1,3-fucosyl

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<210> 4
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Mung bean

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 20 25 30

Thr Val Pro
 35

<210> 5
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
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 of tryptic peptide

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 <221> MISC_FEATURE
 <222> (5)..(5)
 <223> Xaa = any amino acid

<400> 5

Lys Pro Asp Ala Xaa Phe Gly Leu Pro Gln Pro Ser Thr Ala Ser
 1 5 10 15

<210> 6
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:n-terminal sequence
 of tryptic peptide

<400> 6
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<210> 7
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:n-terminal sequence
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<400> 7
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<210> 8
 <211> 10
 <212> PRT
 <213> Artificial Sequence

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<210> 9
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29

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<210> 11
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<210> 14
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<210> 16
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<400> 16
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<210> 17
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<213> Artificial Sequence

<220>
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<400> 17
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